

AMENDMENTS

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A four-stroke engine comprising:
a crankcase;
an oil reservoir located within the crankcase; and
means for vibrating the crankcase to mist oil from the oil reservoir to lubricate engine components.
2. (Original) The four-stroke engine of claim 1, wherein the means for vibrating the crankcase includes the crankcase having a wall thickness of about 1.5 mm.
3. (Original) The four-stroke engine of claim 1, wherein the means for vibrating the crankcase includes the crankcase having a wall thickness of less than 1.5 mm.
4. (Original) The four-stroke engine of claim 1, wherein the means for vibrating the crankcase includes a vibration mechanism coupled to a portion of the crankcase.
5. (Original) The four-stroke engine of claim 4, wherein the vibration mechanism is a vibration plate.
6. (Original) The four-stroke engine of claim 4, wherein the vibration mechanism is a vibration spring.
7. (Original) The four-stroke engine of claim 4, wherein the vibration mechanism is coupled to a bottom portion of the crankcase.
8. (Original) The four-stroke engine of claim 1, wherein a clearance area located in the crankcase is less than 10 mm.

9. (Original) The four-stroke engine of claim 1, wherein a clearance area located in the crankcase is about 1.5 mm.

10. (Original) The four-stroke engine of claim 1, wherein a clearance area located in the crankcase facilitates splashing of the oil against a counterweight.

11. (Currently amended) A four-stroke engine comprising:
a crankcase;
an oil reservoir located within the crankcase; and
means for misting oil from the oil reservoir without the use of an oil dipper,
wherein the means for misting oil includes providing a clearance area in the crankcase which is less than 10 mm such that a surface ripple in the oil reservoir splashes against a counterweight in the engine.

12. (Cancelled)

13. (Cancelled)

14. (Currently amended) The four-stroke engine of ~~claim 12~~ claim 11, wherein the clearance area is about 1.5 mm.

15. (Original) The four-stroke engine of claim 11, wherein the means for misting oil from the oil reservoir includes utilizing engine vibration to produce a ripple in a surface of the oil.

16. (Original) The four-stroke engine of claim 15, further comprising a vibration mechanism coupled to the crankcase to amplify the ripple.

17. (Currently amended) A four-stroke engine comprising:
a crankcase;
an oil reservoir located within the crankcase; and

means for misting oil from the oil reservoir without the use of an oil dipper
~~The four-stroke engine of claim 11~~, wherein the crankcase has a wall thickness of about 1.5 mm.

18. (Currently amended) A four-stroke engine comprising:

a crankcase;

an oil reservoir located within the crankcase; and

means for misting oil from the oil reservoir without the use of an oil dipper ~~The four-stroke engine of claim 11~~, wherein the crankcase has a wall thickness of less than 1.5 mm.

19. (New) A four-stroke engine comprising:

a crankcase;

an oil reservoir located within the crankcase; and

means for misting oil in the oil reservoir via engagement of the oil with the crankcase.